

Converting Colors

CIELCh(82, 18.671, 112.972)

Have a look what the booklet for
CIELCh(82, 18.671, 112.972)
contains.

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Color

CIELCh(82, 18.472, 113.328)

Conversions

Conversions Part 1

Format	Color
Hex	CBCFAC
RGB	203, 207, 172
RGB Percent	80%, 81%, 67%
CMY	0.2039, 0.1882, 0.3255
CMYK	0.02, 0.00, 0.17, 0.19
HSL	67°, 27%, 74%
HSV	67°, 17%, 81%
XYZ	54.3855, 60.2982, 47.8004
YIQ	201.8140, 8.8510, -11.7330

Conversions

Conversions Part 2

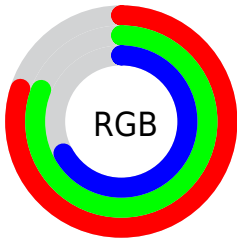
Format	Color
RYB	172, 207, 176
Decimal	13356972
CIELab	82.00, -7.31, 16.96
CIELCh	82, 18.472, 113.328
Yxy	60.2982, 0.3347, 0.3711
Android (android.graphics.Color)	4291547052 (0xFFCBCFAC)
YUV	201.8140, -14.6983, 1.0401
Hunter-Lab	77.6519, -10.8737, 17.8590

Details

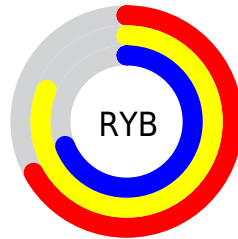
The CIELCh color **82, 18.472, 113.328** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 19.187, 296.170**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **62, 18.400, 113.284** is the 20% darker color. If you saturate the color by 10%, you get **81, 29.263, 112.533**, and if you desaturate by 10%, it is **83, 7.562, 114.127**.

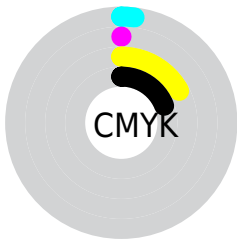
Distribution



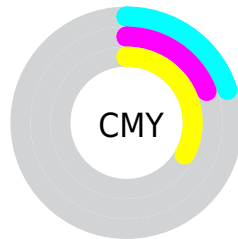
- Red (80%)
- Green (81%)
- Blue (67%)



- Red (67%)
- Yellow (81%)
- Blue (69%)



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (19%)




- Cyan (20%)
- Magenta (19%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 18.472, 113.328 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 82, 18.472, 113.328 by changing the saturation by 10% instead.


 82, 18.472,
113.328


 82, 18.472,
113.328


 100, 18.472,
113.328


 72, 18.472,
113.328


 62, 18.472,
113.328

 52, 18.472,
113.328

 42, 18.472,
113.328

 32, 18.472,
113.328

 22, 18.472,
113.328

 12, 18.472,

113.328

■ 2, 18.472, 113.328

■ 0, 18.472, 113.328

■ 82, 18.472,
113.328

■ 82, 18.472,
113.328

■ 81, 29.263,
112.533

■ 83, 7.562, 114.127

■ 81, 39.824,
111.750

■ 83, 3.400, 294.915

■ 80, 49.991,
111.011

■ 84, 14.365,
295.663

■ 80, 59.517,
110.355

■ 85, 25.299,
296.382

■ 80, 68.039,

■ 85, 25.479,
298.137

109.836

85, 25.577,
299.899

79, 75.079,
109.519

86, 25.698,
301.656

79, 80.134,
109.477

86, 25.842,
303.403

79, 82.945,
109.752

86, 26.009,
305.139

79, 83.585,
109.868

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



82, 18.472, 113.328



72, 19.187, 296.170

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 18.472, 113.328



82, 18.472, 163.328



82, 18.472, 293.328



82, 18.472, 343.328

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



82, 18.474, 113.333



100, 6.480, 114.272



74, 12.382, 29.089



53, 4.422, 114.216



0, 0.000, 0.000



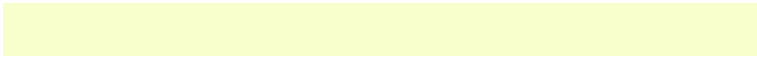
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 18.474, 113.333



98, 25.848, 113.066



81, 20.168, 131.755



44, 6.260, 113.930



65, 71.638, 109.770



15, 23.642, 111.454

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72, 19.187, 296.170



84, 27.058, 296.514



73, 20.532, 313.200



40, 6.397, 295.459



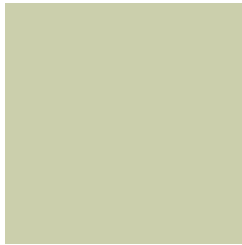
20, 97.353, 306.716



2, 25.660, 296.114

Previews

White Background



This preview shows how the CIELCh color 82, 18.472, 113.328 looks on a white background.

Color Contrast Check

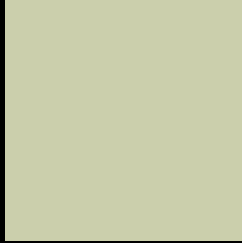
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 82, 18.472, 113.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

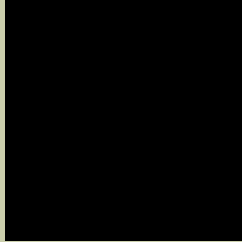
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

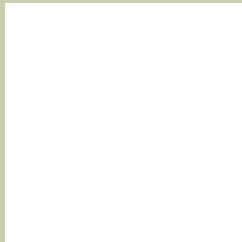
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 18.472, 113.328

Background



This preview shows how black text looks on a background with the CIELCh color 82, 18.472, 113.328.



This preview shows how white text looks on a background with the CIELCh color 82, 18.472, 113.328.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
82, 18.472, 113.328

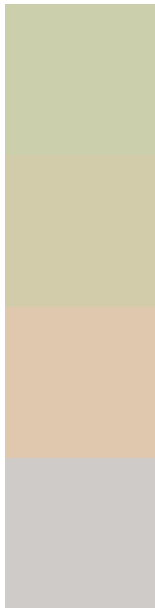
Protanopia
82, 18.017, 93.540

Deuteranopia
82, 19.060, 57.510



Tritanopia
82, 8.996, 309.381

Trichromacy



Original Color
82, 18.472, 113.328

Protanomaly
82, 17.591, 99.726

Deuteranomaly
82, 16.904, 76.743

Tritanomaly
82, 1.796, 55.191

Monochromacy



Original Color
82, 18.472, 113.328

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 6.913, 115.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 18.472, 113.328 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(203, 207, 172)` looks like.

```
.text, #text, p{  
    color:rgb(203, 207, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(203, 207, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 207, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 18.472, 113.328 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 207, 172) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(203, 207, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(203, 207, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 207, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 207, 172);  
box-shadow:4px 4px 4px 4px rgb(203, 207,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 18.472, 113.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 207, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(203,  
207, 172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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